

Remarks

Reconsideration is respectfully requested in view of the foregoing amendments and the following remarks.

1. Rejection of Claims 1-19 variously under 35 USC § 102(b) and 103(a) in view of DeLongcamp (US 4,917,162), Cozatt (US 1,502,908), and Palinkas (US 4,932,098).

The Applicant has amended Claims 1 and 19 to include a limitation on the ratio of the nominal radius of the compliant band to the peak to peak radial displacement of the compliant band. Support for this amendment is provided in the specification in paragraphs 0061 through 0071. This design requirement, as schematically illustrated in Fig. 10, assures smooth rolling of the wheel by placing a specific limit on the radial deformation of the loaded band. The expected radial displacement may be calculated from the equation described in paragraph 0062, which is based on design parameters of the band. None of the cited references provides any disclosure of such a design requirement nor any suggestion that such a requirement is advantageous to the performance of the invention.

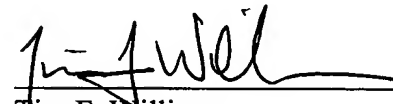
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The Applicant respectfully submits that the foregoing amendments to claims and the remarks now place all claims under consideration in a condition for allowance.

Respectfully submitted,
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Amendments to the Drawings:

The attached sheet 3 of the drawings includes changes to Figure 3. In Fig. 3, a detail showing the reinforcing ply (identified in the text as element 130) has been added.

As to the objection based on claim 8 and “tensile force transmitting elements comprise web spokes extending transversely across the compliant band,” the Applicant submits that the existing Figures provide sufficient description of the claimed element. Specifically, Figures 5 and 6 provide section views of arrangements of the web spokes 150, and Figures 7-9 provide views axially inward which clearly demonstrate web spokes extending transversely across the band.

Attachments: One (1), Replacement Sheet, One (1) Annotated Sheet Showing Changes

Appendix – Amended Drawing Sheet



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Fig. 3 (revised)

